

9303L755-WES-1045

CANOE  
Bmc  
11/13/94

A-7310-104 (10/91)



ROY F. WESTON, INC.  
LIONVILLE ANALYTICAL LABORATORY  
ANALYTICAL CASE NARRATIVE



Client : WESTINGHOUSE HANFORD  
RFW# : 9303L755

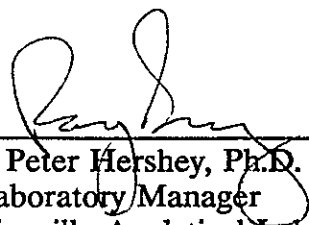
W.O. #: 06168-002-001-9999-00  
Date Received: 03-02-93

INORGANIC

RECORD COPY

The following is a summary of the quality control results and a description of any problems encountered during the analysis of this batch of samples:

1. All sample holding times as required by 40CFR136 were met.
2. All preparation blank results were below the required detection limit.
3. All calibration verification checks were within the required control limits of 90-110%. Calibration verification is performed using independent standards.
4. Matrix spike recoveries are summarized on the Inorganic Accuracy Report contained within this document. All recoveries were within the 75-125% guidance limits. All %RPD were within the 20% guidance limit.
5. Replicate results are summarized on the Inorganic Precision Report contained within this document. All results were within the 20% RPD guidance limit with the exception of Hardness.
6. The analytical methods applied by the laboratory, unless otherwise requested, for all inorganic analyses are derived from the USEPA Method for Chemical Analysis of Water and Wastes (USEPA 600/4-79-020), Standard Methods for the Examination of Water and Wastewater 16 ed. and Test Methods for Evaluating Solid Waste (USEPA SW846).

  
J. Peter Hershey, Ph.D.  
Laboratory Manager  
Lionville Analytical Laboratory

3.25.93  
Date

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ROY F. WESTON INC.

INORGANIC DATA SUMMARY REPORT 03/24/93

CLIENT: WESTINGHOUSE HANFORD  
WORK ORDER: 06168-002-001-9999-00

WESTON BATCH #: 9303L755

| SAMPLE | SITE ID | ANALYTE  | RESULT | UNITS | REPORTING<br>LIMIT |
|--------|---------|----------|--------|-------|--------------------|
| -001   | BO7Q13  | % Solids | 98.2   | %     | 0.10               |
|        |         | Hardness | 163    | MG/KG | 20.4               |

**WESTON**  
MANAGERS OF SCHEERS CONSULTANTS

|                      |      |      |      |      |      |      |         |          |
|----------------------|------|------|------|------|------|------|---------|----------|
| RFW 21-21-001/A-7/91 | L372 | L373 | L375 | L377 | L378 | Ref# | Cooler# | 381-596a |
|----------------------|------|------|------|------|------|------|---------|----------|

## Custody Transfer Record/Lab Work Request

|   |  |
|---|--|
| Client <u>Westinghouse-Hanford</u>                            | Refrigerator # <u>1 6 2 6 2 8 8</u>                    |
| Est. Final Proj. Sampling Date <u>01/10/08-003-001-999-00</u> | #/Type Container <u>Liquid 100 100 16L 16L 10 116L</u> |
| Work Order # <u>01/10/08-003-001-999-00</u>                   | Volume <u>Liquid 25 250 250 250 250 250</u>            |
| Project Contact/Phone # <u>Code Education</u>                 | Solid <u>— — — — —</u>                                 |
| AD Project Manager <u>Code Education</u>                      | Preservatives <u>— — — — —</u>                         |
| QC <u>CLP</u> Del <u>CLP</u> TAT <u>35 DAP</u>                | ANALYSES REQUESTED <u>→</u>                            |
| Date Rec'd <u>1/10/08</u> Date Due <u>1/10/08</u>             | ORGANIC <u>FOR PCBs TPH</u>                            |
| Account # <u>WHD-HANFORD</u>                                  | INORG <u>Metal CN Radio Chem</u>                       |

| MATRIX<br>CODES:<br>S- Soil<br>SE- Sediment<br>SO- Solid<br>SL- Sludge<br>W- Water<br>O- Oil<br>A- Air<br>DS- Drum<br>Solids<br>DL- Drum<br>Liquids<br>L- EP/TCLP<br>Leachate<br>WI- Wipe<br>X- Other<br>F- Fish | Lab<br>ID | Client ID/Description | Matrix<br>QC<br>Chosen<br>(✓) |     | Matrix | Date<br>Collected | Time<br>Collected | WESTON Analytics Use Only |       |  |  |   |  |  |  |  |  |  |  |
|--|-----------|-----------------------|-------------------------------|-----|--------|-------------------|-------------------|---------------------------|-------|--|--|---|--|--|--|--|--|--|--|
|  |           |                       | MS                            | MSD |        |                   |                   | H4090                     | H4090 |  |  | HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br>HPL<br> |  |  |  |  |  |  |  |

|  |             |         |      |   |             |      |      |   |  |  |  |
|--|-------------|---------|------|---|-------------|------|------|---|--|--|--|
| FIELD PERSONNEL: COMPLETE ONLY SHADED AREAS  |             |         |      | DATE/REVISIONS: <u>END INFO TO FOLLOW</u>   |             |      |      | WESTON Analytics Use Only   |  |  |  |
| Special Instructions:<br><u>Run ① ms/msd</u><br><u>92-400</u><br><u>Temp = 2.8°C</u><br><u>ORIGINAL RE-WRITTEN</u> |             |         |      | <u>2/9/03</u> 1. <u>Radio Chem submittal to Env. Tek</u><br><u>3/1/03</u> 2. <u>161250 for INORG relogged to PFW</u><br><u>1</u> 3. <u>#9303755 for INORG relogged to PFW</u><br>4. _____<br>5. _____<br>6. _____ |             |      |      | Samples were:<br>1) Shipped <u>X</u> or Hand Delivered<br>Airbill # <u>EMERY</u><br>2) Ambient or <u>(Chilled)</u><br>3) Received in Good Condition <u>(Y)</u> or N<br>4) Labels Indicate Properly Preserved <u>(Y)</u> or N<br>5) Received Within Holding Times <u>(Y)</u> or N<br>COC Tape was:<br>1) Present on Outer Package <u>(Y)</u> or N<br>2) Unbroken on Outer Package <u>(Y)</u> or N<br>3) Present on Sample <u>(Y)</u> or N<br>4) Unbroken on Sample <u>(Y)</u> or N<br>COC Record Present Upon Sample Rec't <u>(Y)</u> or N |  |  |  |
| Relinquished by  | Received by | Date    | Time | Relinquished by   | Received by | Date | Time | Discrepancies Between Samples Labels and COC Record? Y or N   |  |  |  |
| EMERY  | SPRUIS      | 1/10/08 | 430  |   | SPRUIS      |      |      | NOTES:  |  |  |  |
|  | SPRUIS      |         |      |   |             |      |      |   |  |  |  |



Westinghouse  
Hanford Company

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**SAMPLE ANALYSIS REQUEST C of C # 2805**

Collector RZ STEFFLER

Date 12-7-92

Company Contact JILL FRAIN/RON MITCHELL

Telephone ( 509 ) 376-8941

| Sample Number | * | Date Collected | Time Collected | Number and Type of Sample Containers/Analysis Requested                  |
|---------------|---|----------------|----------------|--|
| B07Q13        | S | 12-7-92        | 1005           | (1) 250ml. plastic TAL METALS (CLP)                                      |
|               |   |                |                | (1) 250ml. plastic ANIONS, F, CL, SO4, PO4 (EPA 300.0)                   |
|               |   |                |                | NO2, NO3 (EPA 353.2) AMMONIA (EPA 350.2) pH (9040)                       |
|               |   |                |                | (1) 250 ml. plastic ICP METALS FOR Zr. (6010)                            |
|               |   |                |                | (1) 125 ml. amber glass VOA (CLP)  |
|               |   |                |                | (1) 250 ml. amber glass SEMI VOA (CLP)                                   |
|               |   |                |                | (1) 250 ml. amber glass TPH diesel range (8015M)                         |
|               |   |                |                | (1) 250 ml. amber glass TPH heavier than diesel range (8015M)            |
|               |   |                |                | (1) 250 ml. plastic CALCIUM CARBONATE (EPA 130.2)                        |
|               |   |                |                | (1) 1000 ml. glass GAMMA SPEC. (RC-30)                                   |
|               | S |                |                | <del>(1) 250 ml. plastic TAL METALS (CLP)</del>                          |
|               |   |                |                | <del>(1) 250 ml. plastic ANIONS F, CL, SO4, PO4 (EPA 300.0)</del>        |
|               |   |                |                | <del>NO2, NO3 (EPA 353.2) AMMONIA (EPA 350.2) pH (9040)</del>            |
|               |   |                |                | <del>(1) 250 ml. plastic ICP METALS for Zr. (6010)</del>                 |
|               |   |                |                | <del>(1) 125 ml. amber glass VOA (CLP)</del>                             |
|               |   |                |                | <del>(1) 250 ml. amber glass SEMI VOA (CLP)</del>                        |
|               |   |                |                | <del>(1) 250 ml. amber glass TPH diesel range (8015M)</del>              |
|               |   |                |                | <del>(1) 250 ml. amber glass TPH heavier than diesel range (8015M)</del> |
|               |   |                |                | <del>(1) 250 ml. plastic CALCIUM CARBONATE (EPA 130.2)</del>             |
|               |   |                |                | <del>(1) 1000ml. glass GAMMA SPEC. (RC-30)</del>                         |

\*Type of Sample      A = Air      L = Liquid      SE = Sediment      T = Tissue      X = Other  
                         DL = Drum Liquids      O = Oil      SL = Sludge      W = Water  
                         DS = Drum Solids      S = Soil      SO = Solid      WI = Wipe

Field Information SAF # 92-400

Special Handling and/or Storage SAMPLES TO MAINTAIN 4 DEGREES C. PRIOR TO ANALYSIS.

Possible Sample Hazards UNKNOWN NOTHING DETECTABLE WITH FIELD INSTRUMENTS

Westinghouse Hanford  
Company

15 9212L005  
CHAIN OF CUSTODY

002805

Custody Form Initiator RZ. Steffler RM Arnold

Company Contact JM Frain

Telephone (509) 376-8941

Project Designation/Sampling Locations White Bluffs

Collection Date 12-7-92

Pickling Acid Crib 100-IU-5 SAF # 92-400

Ice Chest No. \_\_\_\_\_

Field Logbook No. EFL 1060

Bill of Lading/Airbill No. \_\_\_\_\_

Offsite Property No. \_\_\_\_\_

Method of Shipment Emery Air Express Overnight Delivery

Shipped to Weston

Possible Sample Hazards/Remarks Unknown

Sample Identification

B07Q13 (9 Bottles)

RZS

12-7-92

RZS

12-7-92

☐ Field Transfer of Custody

CHAIN OF POSSESSION

(Sign and Print Names)

Relinquished by: RZ Steffler

Received by: \_\_\_\_\_

Date/Time: \_\_\_\_\_

Relinquished by: Emery

Received by: Bruce E. Shell

Date/Time: 12/12/92 4:30 pm

Relinquished by: \_\_\_\_\_

Received by: \_\_\_\_\_

Date/Time: \_\_\_\_\_

Relinquished by: \_\_\_\_\_

Received by: \_\_\_\_\_

Date/Time: \_\_\_\_\_

Final Sample Disposition


Disposal Method: \_\_\_\_\_

Disposed by: \_\_\_\_\_

Date/Time: \_\_\_\_\_

Comments: Temp: 2.8°C

9212005

|  |  |  |  |  |  |   |  |   |  |  |  |
|--|--|--|--|--|--|---|--|---|--|--|--|
| <b>FORM OF PAYMENT</b><br>Check <input type="checkbox"/> Bill to Shipper <input checked="" type="checkbox"/> Bill to Consignee <input checked="" type="checkbox"/> Third Party Bill <input type="checkbox"/> |  |  |  | <b>EMERY WORLDWIDE</b><br>  |  |   |  | <b>SERVICES **</b><br>UNITED STATES / CANADA<br>Same Day <input type="checkbox"/> Extra Charge <input type="checkbox"/> AM <input type="checkbox"/> PM <input type="checkbox"/> Preferred <input type="checkbox"/> Second Day <input type="checkbox"/> Saturday Delivery <input type="checkbox"/> Standard <input type="checkbox"/> |  |  |  |
| Shipper's Account Number<br><b>E 850281585</b>   |  |  |  | Date <b>12-18-92</b> Origin <b>PSC</b> Shipper's Reference <b>251900754</b>                                    |  |   |  | Customs Clearance <input type="checkbox"/> Delivery <input type="checkbox"/>  |  |  |  |
| From: <b>WESTINGHOUSE SHIPPING DEPT (509) 375-4555</b><br><b>U.S. DEPARTMENT OF ENERGY/O</b><br><b>WESTINGHOUSE HANFORD</b><br><b>BLDG 1163</b><br><b>2355 STEVENS DRIVE</b><br><b>RICHLAND WA</b>           |  |  |  | To: <b>JOSIE KING</b><br><b>RF WELTON INC</b><br><b>208 WELSH POOL ROAD</b><br><b>LIONVILLE PA</b>             |  |   |  | Bill of Lading <input type="checkbox"/> Gateway <input type="checkbox"/>  |  |  |  |
| Customer's Reference Number<br><b>12410 pg38E W93-0-0122 #38</b>   |  |  |  | Consignee's Account Number<br><b>99352 E 19341</b>   |  |   |  | EMERY WORLDWIDE will accept Consignee's check with all risks being assumed by Shipper, including but not limited to non-payment, fraud and misrepresentation.   |  |  |  |
| Description<br><b>1 POLYCOOLER SAMPLES KT-25</b>   |  | Dimensions<br><b>27 16 17</b>  |  | Total Pieces<br><b>1</b>   |  | Total Weight (In Lbs.)<br><b>58#</b>        |  | FOR INFORMATION OR RATES<br>CALL 1-800 44 EMERY<br>(1-800-443-6379)   |  |  |  |
| Remarks<br><b>SATURDAY DELIVERY</b><br>Shipper's Signature <i>X Mark</i>   |  | Zip Ship <input checked="" type="checkbox"/><br><small>For shipments within the United States Shipper has the option to check this box and by checking, agrees that the Zip Ship conditions described in the area to the right, apply.</small> |  | Mark if Emery Packaging is used<br>Urgent Letter <input type="checkbox"/> Urgent Pack <input type="checkbox"/> |  | Declared Value<br>\$                        |  |   |  |  |  |
| International Shipments<br>Commodity Code <input type="checkbox"/>   |  | Third Party Account Number<br><b>12410</b>   |  | Third Party Account Number<br><b>12410</b>   |  | 251900754                                   |  |   |  |  |  |
| Base Charge  |  | International Insurance  |  | Total Transportation   |  | Other Charges/Advance at Origin<br>OC/IO \$ |  |   |  |  |  |

3-PHL-S4